

WEST Search History

DATE: Thursday, June 05, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=DWPI; PLUR=YES; OP=ADJ

L9	l6 and l7 and l8	12	L9
L8	clean\$ or wipe or wiper or wiping	323560	L8
L7	fiber or strand or fibre or filament\$ or strand or thread or string or yarn	682648	L7
L6	lobe or lobal or lobed	9854	L6

DB=USPT; PLUR=YES; OP=ADJ

L5	l2 and L4	124	L5
L4	((428/369 428/370 428/371)!.CCLS.)	1030	L4
L3	l1 and L2	18	L3
L2	clean\$	414718	L2
L1	((442/337)!.CCLS.)	50	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Thursday, June 05, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=ADJ

L14	5707735.pn.	1	L14
L13	L12 and l9	0	L13
L12	6162382.pn.	1	L12
L11	6162382.pn.L10	0	L11
L10	l8 and l9	0	L10
L9	clean\$ or wipe or wiping or wiper	449942	L9
L8	5932346.pn.	1	L8
L7	5922462.pn.	1	L7

DB=DWPI; PLUR=YES; OP=ADJ

L6	l1 and l2 and l5	88	L6
L5	l3 or l4	10030	L5
L4	multilobal or multilobed	135	L4
L3	lobal or lobed or bilobal or trilobal or lobe	9981	L3
L2	fiber or fibre or filament\$ or yarn\$ or strand or string or thread	682824	L2
L1	multicomponent or multiconstituent or multi adj (component or constituent) or bicomponent or biconstituent or bi adj (component or constituent) or conjugate or composite or sheath adj core or side by side	183060	L1

END OF SEARCH HISTORY

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L9: Entry 9 of 12

File: DWPI

Apr 9, 1987

DERWENT-ACC-NO: 1987-102515
DERWENT-WEEK: 200054
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TITLE: Multilayer fleece material - comprises layers of thermoplastic fibre welded together in discrete regions by thermal treatment

INVENTOR: BRAUN, R V; BUTT, J R ; PHELAN, R J ; WOON, L

PATENT-ASSIGNEE:

ASSIGNEE

KIMBERLY CLARK CORP

KIMBERLY-CLARK WORLDWIDE INC

CODE

KIMB

KIMB

PRIORITY-DATA: 1985US-0785369 (October 7, 1985), 1985US-0785368 (October 7, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3634139 A	April 9, 1987		014	
DE 3634139 C2	October 26, 2000		000	D04H001/54
AU 8663499 A	April 9, 1987		000	
FR 2588285 A	April 10, 1987		000	
SE 8604228 A	April 8, 1987		000	
US 4668566 A	May 26, 1987		007	
JP 62097955 A	May 7, 1987		000	
US 4778460 A	October 18, 1988		014	
CA 1271024 A	July 3, 1990		000	
CA 1281537 C	March 19, 1991		000	
KR 9310351 B1	October 16, 1993		000	D04H003/00
JP 2541524 B2	October 9, 1996		013	D04H003/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 3634139A	October 7, 1986	1986DE-3634139	
DE 3634139C2	October 7, 1986	1986DE-3634139	
FR 2588285A	October 6, 1986	1986FR-0013891	
US 4668566A	October 7, 1985	1985US-0785368	
JP 62097955A	October 7, 1986	1986JP-0238982	
US 4778460A	October 7, 1985	1985US-0785369	
KR 9310351B1	October 6, 1986	1986KR-0008340	
JP 2541524B2	October 7, 1986	1986JP-0238982	
JP 2541524B2		JP 62097955	Previous Publ.

INT-CL (IPC): A41B 13/02; A61F 13/15; A61F 13/16; B32B 5/08; D04H 1/54; D04H 1/56; D04H 3/00; D04H 3/14; D04H 13/00; D06N 7/00

ABSTRACTED-PUB-NO: DE 3634139A
BASIC-ABSTRACT:

Material (I) comprises a first non-woven layer of fibres (II) having single filaments of bilobate section, and a second layer, welded thereto, of fibres (III) having a three-lobed section. Pref. fibres are of polyethylene (II), polypropylene (III), or EP-copolymer (II or III), and (III) is more wetttable than (II). The fibres are laid down continuously and randomly in the two layers, which are stabilised by a discrete number of binding regions between fibres.

(I) is mfd. by extrusion through a multi-lobed hole, and continuous deposition of fibre to form a tissue which is stabilised as above; the second layer is formed and welded to the first. The inter-fibre bonding is produced by passing the tissue between heated rollers having a raised pattern corresp. to the regions to be welded.

(I), stabilised as above by thermal bonding in regions between regions of unbonded fibres, forms the lining for nappies or menstruation prods., in which the compressed (welded) regions form 5-30% of the surface.

ADVANTAGE - Disposable absorbent articles (esp. as mentioned above) have improved softness and tensile strength.

ABSTRACTED-PUB-NO:

US 4668566A

EQUIVALENT-ABSTRACTS:

A multilayer nonwoven fabric comprises a first nonwoven web comprising a number of identically prepared continuous and randomly deposited polyethylene monofilaments. A second nonwoven web which is adjacent and bonded to the first web. The second web comprises a number of identically prepared continuous and randomly oriented polypropylene monofilaments.

USE/ADVANTAGE - disposable products e.g. diapers, feminine care products, surgical gowns, industrial wipes. Softness, tensile strength and improved moisture transfer capability. (7pp)○

US 4778460A

Nonwoven fabric, comprises one web having bilobal monofilaments of thermoplastic material, bonded to a second web having monofilaments of another thermoplastic material, specifically polypropylene in the first web and polyethylene in the second web, or polypropylene or polyethylene in both webs.

Pref. one web contains ethylene-propylene-copolymer monofilaments, and the second web monofilaments have Y-shaped cross-section for enhanced wettability of diaper or sanitary napkin liner or wrap fabric.

ADVANTAGE - Improved softness and strength. (14pp)

CHOSEN-DRAWING: Dwg.0/11

TITLE-TERMS: MULTILAYER FLEECE MATERIAL COMPRISE LAYER THERMOPLASTIC FIBRE WELD DISCRETE REGION THERMAL TREAT

DERWENT-CLASS: A96 D22 F07 P21 P32 P73

CPI-CODES: A04-G01E; A11-C01A; A11-C05A; A12-S05G; A12-V03A; D09-C02; D09-C04; D09-C06; F01-C03; F01-D05; F01-E02; F02-C01; F02-C02; F02-C02B; F03-D03; F04-C01; F04-E04;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 3151 0239 0241 3153 0248 0250 2454 3228 2475 2476 2486 3240 2528 2530 2569 3250 2622 2628 2635 2662 3258 3287 2820

Multipunch Codes: 014 034 04- 041 046 047 050 27& 30& 32& 395 415 437 454 481 483 485 50& 52& 53& 532 533 535 551 56& 560 561 566 567 573 58& 597 603 645 651 664 665 688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-042560

Non-CPI Secondary Accession Numbers: N1987-077105

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L9: Entry 2 of 12

File: DWPI

May 24, 2000

DERWENT-ACC-NO: 2000-367709
DERWENT-WEEK: 200032
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TITLE: A photocopier cleaning web has multi-lobal fibers of polyimide, resistant to breakdown up to 260 degree Celsius

INVENTOR: DUGDALE, N G; LEBOLD, A ; PALAZZO, J ; PARRY, S

PATENT-ASSIGNEE:

ASSIGNEE	CODE
BMP EURO LTD	BMPEN

PRIORITY-DATA: 1998GB-0025343 (November 19, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1003084 A2	May 24, 2000	E	007	G03G015/20

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 1003084A2	November 18, 1999	1999EP-0309198	

INT-CL (IPC): G03 G 15/20

ABSTRACTED-PUB-NO: EP 1003084A

BASIC-ABSTRACT:

NOVELTY - A cleaning web (40) has multi-lobal cross section fibers with cross sections having a ratio of peripheral dimension to area greater than that of a circular cross section fiber of equal cross sectional area and which are resistant to thermal breakdown at temperatures up to 260 degrees Celsius.

USE - In cleaning web manufacture.

ADVANTAGE - Is useful for cleaning photocopying equipment.

DESCRIPTION OF DRAWING(S) - The drawing shows a view of the web.

Web 40

CHOSEN-DRAWING: Dwg.4/4

TITLE-TERMS: PHOTOCOPY CLEAN WEB MULTI LOBE POLYIMIDE RESISTANCE BREAKDOWN UP DEGREE CELSIUS

DERWENT-CLASS: A84 F04 P84 S06

CPI-CODES: A05-J01B; A12-D05; A12-S05E; A12-S05G; F02-C01; F04-D; F04-E;

EPI-CODES: S06-A10;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; P1081*R F72 D01 ; P0077 ; H0293 ; S9999 S1070*R ; S9999 S1183 S1161 S1070 Polymer Index [1.2] 018 ; R00975 G0022 D01 D12 D10 D51 D53 D59 D69 D82 F* 7A ; H0000 ; S9999 S1070*R ; S9999 S1183 S1161 S1070 ; P0511 Polymer Index [1.3] 018 ; P1025 P1014 P0964 P1149 H0260 F23 F34 D01 ; S9999 S1070*R ; S9999 S1183 S1161 S1070 Polymer Index [1.4] 018 ; P0839*R F41 D01 D63 ; P0884 P1978 P0839 H0293 F41 D01 D11 D10 D19 D18 D31 D50 D63 D90 E21 E00 ; S9999 S1070*R ; S9999 S1183 S1161 S1070 ; S9999 S1285*R Polymer Index [1.5] 018 ; ND01 ; Q9999 Q7034*R ; Q9999 Q7749 Q7681 ; Q9999 Q8253 Q8173 ; B9999 B5243*R B4740 ; B9999 B5254 B5243 B4740 ; B9999 B4682 B4568 ; B9999 B3178 ; K9461 ; B9999 B4864 B4853 B4740 ; K9676*R ; N9999 N7192 N7023 ; N9999 N6020 N6008 ; Q9999 Q7818*R ; N9999 N6166

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-111189

Non-CPI Secondary Accession Numbers: N2000-275215